



ENFORCER Products, Inc.
P.O. Box 1060
Cartersville, GA 30120
1-888-805-HELP

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Zep Driveway & Concrete Cleaner

Product Code HD-BMC-128 **Date of issue** 04/11/03
CN-BMC-128 **Supersedes** 03/21/02

Product Use

Emergency Telephone Numbers **For MSDS Information:**
Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP

For Medical Emergency:
INFOTRAC
(877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Printing Date:

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
1) SODIUM HYDROXIDE; caustic soda; soda lye	1310-73-2	1-10	ACGIH / OSHA (United States). CEIL: 2 mg/m ³
2) ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1-10	ACGIH TLV (United States). Skin TWA: 20 ppm Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm Form: Vapor

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Absorbed through skin. Dermal contact. Eye contact. Ingestion.

Skin Hazardous in case of skin contact (corrosive, permeator). Skin contact may produce burns.

Eyes Hazardous in case of eye contact (corrosive).

Inhalation Slightly hazardous in case of inhalation (lung corrosive). Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Ingestion May be fatal if swallowed. May cause burns to mouth, throat, and stomach.

HMIS	
Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	D

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Chronic Effects The substance may be toxic to , kidneys, liver, eyes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

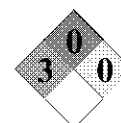
Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.

Flammability Non-flammable.

Fire Hazard Not applicable.

Fire-Fighting Procedures Not applicable.



Section 6. Accidental Release Measures

Spill Clean up Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Flush residual spill (area) with large amount of water.

Section 7. Handling and Storage

Handling Avoid prolonged contact with eyes, skin, and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection**Personal Protection**

Eyes Chemical splash goggles.

Body Synthetic apron. Use chemical resistant, impervious gloves.

Respiratory A respirator is not needed under normal and intended conditions of product use.

Protective Clothing (Pictograms)**Section 9. Physical and Chemical Properties**

Physical State Liquid.

pH 13.0 - 14.0

Boiling Point 98.9°C (210°F)

Specific Gravity 1.06 (Water = 1)

Solubility Easily soluble in cold water, hot water.

Color Clear.

Odor Characteristic.

Vapor Pressure Not available.

Vapor Density Not available.

Evaporation Rate >1 compared to Butyl acetate.

VOC (Consumer) 53 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Slightly reactive to reactive with oxidizing agents, acids.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products These products are carbon oxides (CO, CO2).

Section 11. Toxicological Information**Toxicity to Animals****Sodium hydroxide:**

ORAL (LD50): Acute: 500 mg/kg [Rat].

Ethylene glycol monobutyl ether:

ORAL (LD50): Acute: 1746 mg/kg [Rat].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Code: D002
Classification: Hazardous (Corrosivity)
Origin: RCRA

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide) or Consumer Commodity ORM-D in Limited Quantities

DOT Classification Class 8: Corrosive liquid.

UN number UN3266

TDG Classification TDG Class 8: Corrosive liquid.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether
Clean Water Act (CWA) 311: Sodium hydroxide
Clean air act (CAA) 112 regulated toxic substances: Ethylene glycol monobutyl ether

State Regulations California prop. 65: No products were found.

WHMIS (Canada) Class D-2B: Material causing other toxic effects (TOXIC).
Class E: Corrosive liquid.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.